

CaFCP Hydrogen Purity Activities

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CaFCP Interoperability &
H2 Purity Group



Current Interoperability Activities



OEMs



Fuel
Providers

- **Hydrogen Purity**
 - early work for pre-commercial demonstration
 - forum for multi-sector review
- **Vehicle/Station Interface**
- **H₂ Station Review**

Hydrogen Purity Activities

IMPORTANCE

Hydrogen fuel purity affects:

- fuel cell stack life, vehicle performance
- cost/complexity of purification process
- cost/complexity of testing/validation
- end-user cost of fuel

WORLD WIDE INTEREST

- SAE, DOE, USFCC, ISO, UNECE & JARI
all have active groups or defined interest
- Concerns are related to locking industry into
limited strategies: work to be done.



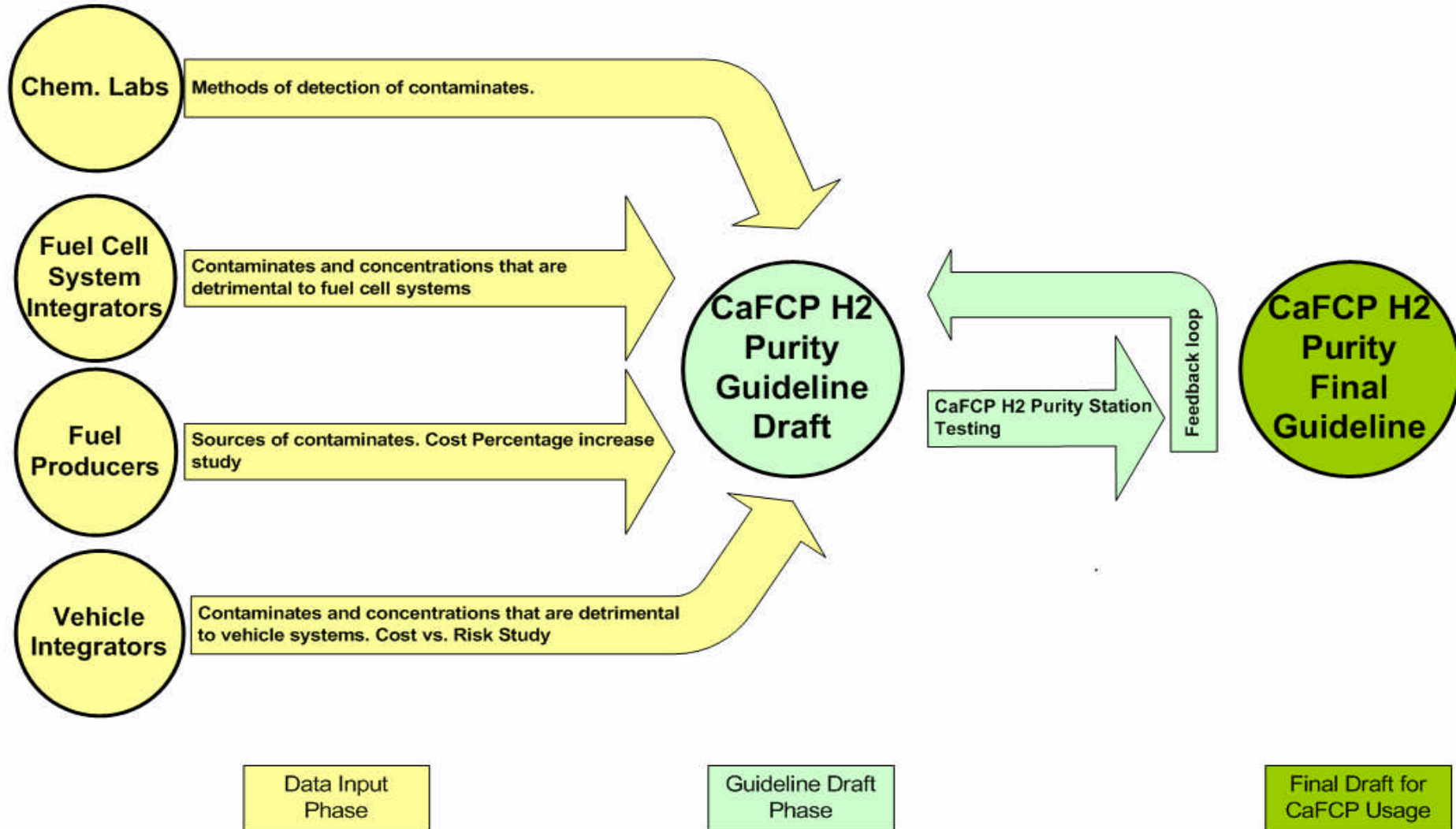
Hydrogen Purity Activities

CaFCP APPROACH

1. Developing internal guidelines for interoperability
2. Active communication with SDOs
3. Internal process including:
 - identifying constituents
 - distinguishing between production/delivery pathways
 - identifying test methods/gaps
 - analyzing costs
 - learning through demonstration
4. Take experience into lessons learned resources



Pre-Commercial Phase: CaFCP H2 Purity Guideline



THANK YOU!

Please visit us in California
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